

FIMAD

Facility for **I**nformation **M**anagement, **A**nalysis & **D**isplay

Modifications to the LANL
Electronic Data Deliverable

Thom McVittie

Why We're Here

❖ Problem:

- LANL using EDD for 8 months
- Mixed results (inconsistent use of fields, important data missing)

❖ Cause

- Many problems related to poor definition of fields
- Little guidance from LANL
- Inconsistency among our deliverables

❖ One Solution

- review existing EDD for correctness & usability
- correct where needed.

❖ Ground Rules

- NO significant changes

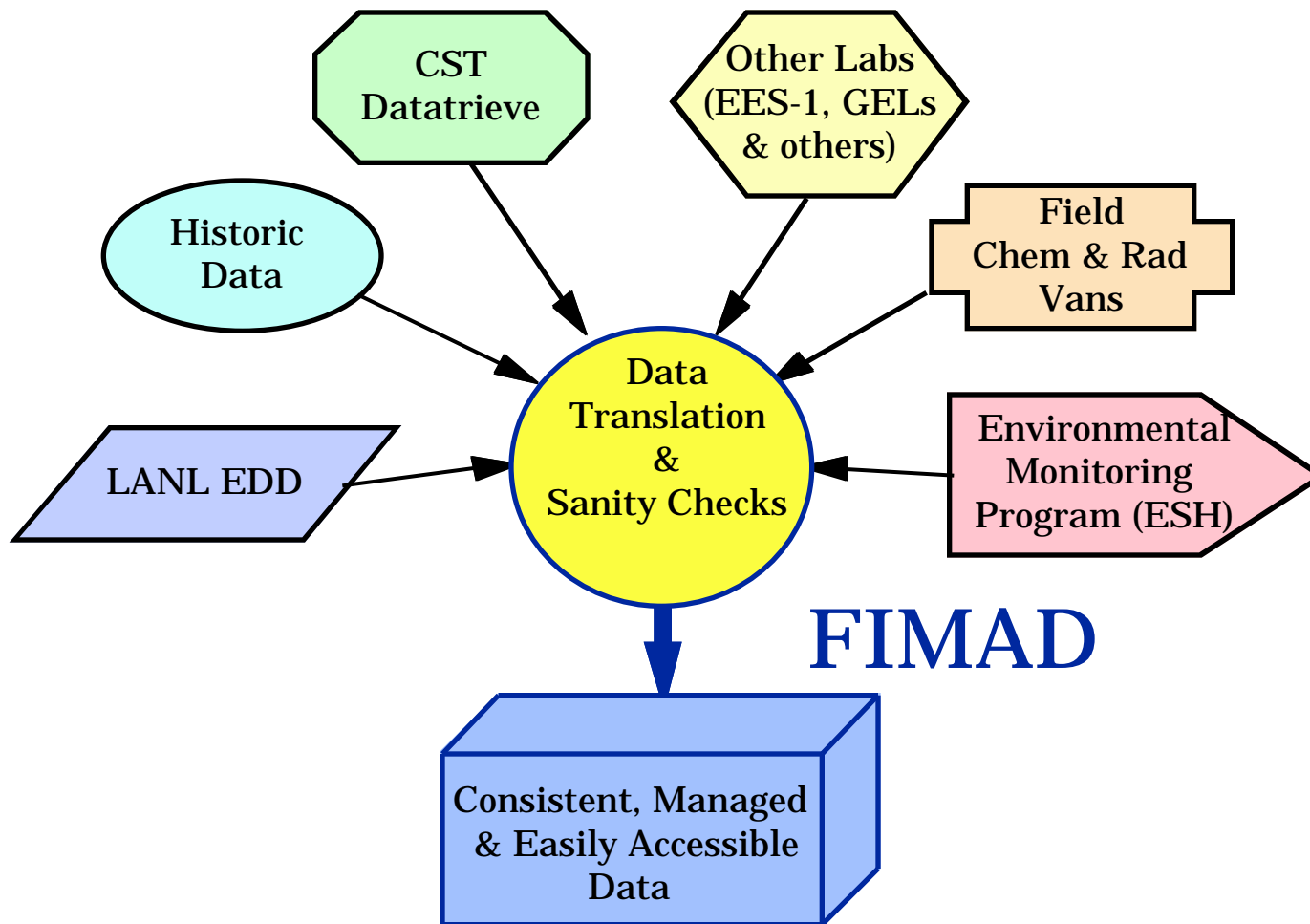
Agenda

- ❖ **Introduction to the Current EDD**
- ❖ **Overview of Significant Changes**
- ❖ **Detailed Look at the Data Dictionary**
- ❖ **Clarification of Reporting Problems**
- ❖ **Questions**
- ❖ **Where do we go from here?**

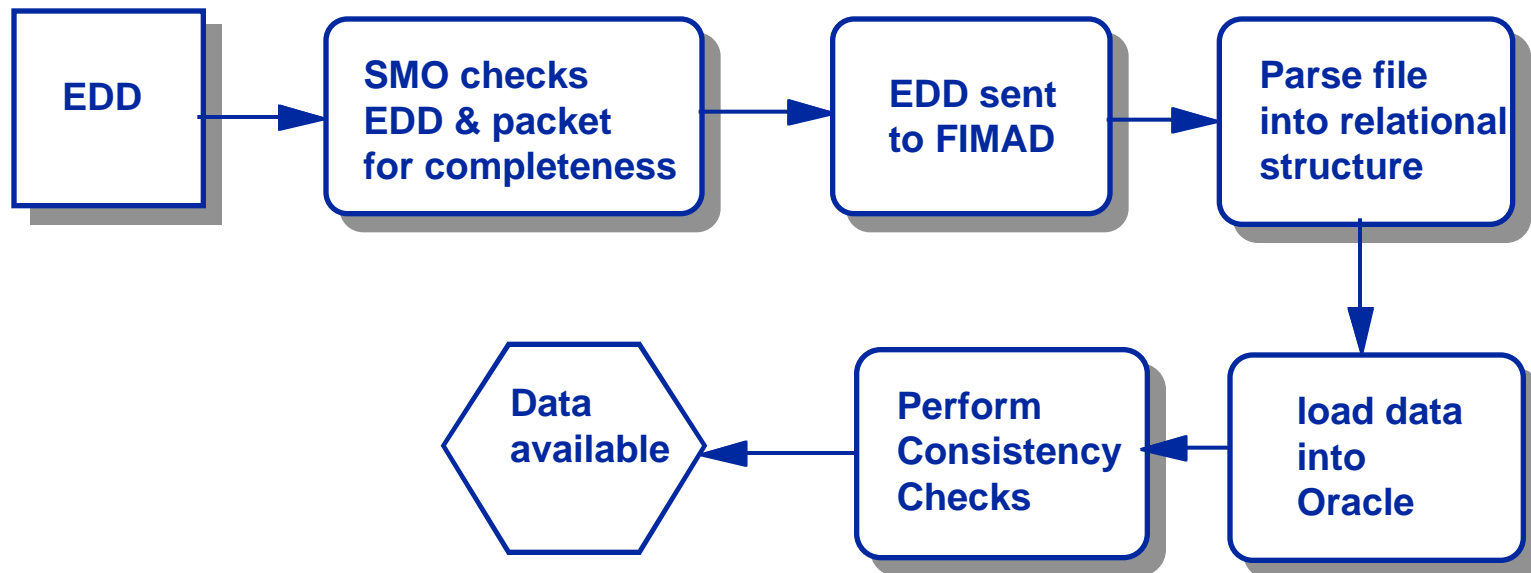
Overview of EDD

- ❖ **A different EDD for each type of standard analysis.**
- ❖ **Spreadsheet-like format**
 - each row contains a given type of data
 - each column represents the data for one cut/analysis.
 - an SDG may be in a single file or span multiple files.
- ❖ **Nine different Sections**

Analytic Data



Process



EDD Sections

A	Request Header
B	Sample Header
C	Analysis Header
D	Comments
E	Analytes
F	Carriers
G	Tracers
H	Surrogates
I	TICs

Changes to the EDD

❖ **Fields which are no longer reported.**

- reduced by almost 50%

❖ **Optional vs. Required Fields**

- Required (R)
- Optional (O)
- No longer requested (-)

❖ **Specification of field formats and possible values.**

Clarifications

- ❖ **Reporting of surrogates, carriers & tracers**
- ❖ **Laboratory QA/QC samples**
- ❖ **Dual Column Methods**
- ❖ **Adding/Changing Fields**
- ❖ **Reporting values below levels**
- ❖ **File Formats & submitting the EDD**

Surrogates, Carriers & Tracers

- ❖ **Report results as percent recovered.**
- ❖ **Order of surrogates is important.**
- ❖ **So is actual encoding**
- ❖ **Using Surrogates not on the EDD**

Laboratory QA/QC Samples

- ❖ **Each in its own column in the EDD**
- ❖ **LCS or MS Recovery field confusion**
- ❖ **Report data in regular results fields**
 - be sure to use correct units
 - use qualifier field where necessary

Dual Column Methods

- ❖ **High Explosives and Pesticides/PCBs**
- ❖ **Reason for second column**
- ❖ **Optional vs required reporting**

Adding/Changing Fields

❖ Don't do it -- don't even think about it.

❖ Contact us before we get the data

❖ Possible results:

- report data as non-standard (manually)
- modification of the EDD to add codes
- modifications distributed to all.

Reporting Below Level Values

- ❖ **Rad EDD sheets contain MDA or MDC**
- ❖ **No corresponding field in non-rad EDDs**
- ❖ **Inconsistent handling in non-rad sheets**
 - VOAGCMS
 - » sample result or the estimated quantitation limit if compound was not detected. Qualifier indicates which.
 - PESTPCB
 - » sample result.
- ❖ **Consistent approach**
 - if not detected at limit, report limit in the sample result (or equivalent) field and assign appropriate qualifier.

File Formats & Submission

- ❖ **One EDD per file.**
- ❖ **Watch number of columns in export.**
- ❖ **Tab delimited files please!**
- ❖ **Can use existing EDD format, or export only reported fields.**
- ❖ **Use the current coding scheme.**

- ❖ **Submission can be electronic (ftp or email)**

Contacts

❖ **analytic methods, analytes to be reported, contract issues, etc**

- John Miglio
- Joan Fisk

❖ **Encoding of the EDD:**

- Thom McVittie

❖ **All documents available on WWW (soon!)**

- URL: <http://ees-www.lanl.gov/fimad/edd/>

Where Next?

❖ **DOE Mandate for DEEMS.**

❖ **Interested in your perspective.**

- previous experiences.
- expectations
- time line